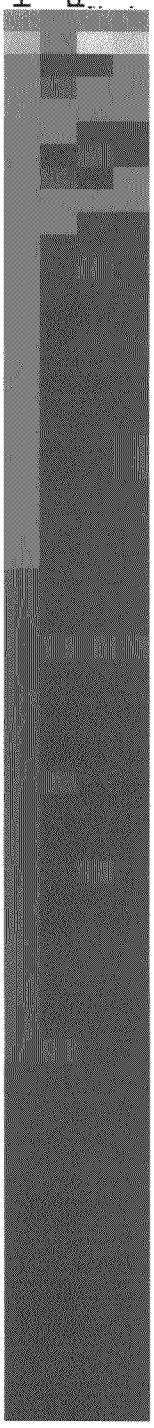
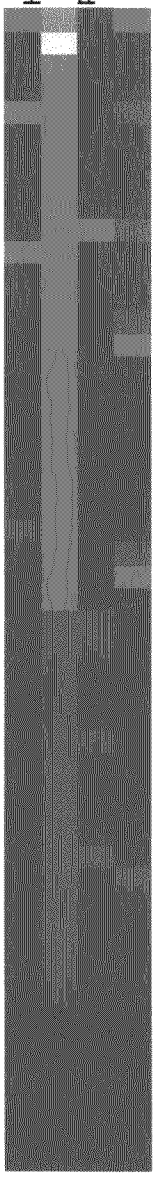
Fig.3

A



Unigene ID	Genebank ID	Gene Name
Mm.86	BC009100	similar to ribosomal protein S4, X-linked
Mm.13944	BC031746	Similar to ribosomal protein S9
Mm.7723	NM_019402	poly(A) binding protein, nuclear 1
Mm.13917	BC007139	ribosomal protein L22
Mm.10706	BC003459	RIKEN cDNA 2010004J23 gene
Mm.18516	AK002928	unnamed protein product; H3 histone, family 3B
Mm.6343	AK005420	unnamed protein product; nucleophosmin 1
Mm.30141	AK002604	guanine nucleotide binding protein, beta 2
Mm.197601	BC024385	heat shock 10 kDa protein 1 (chaperonin 10)
Mm.5043	BC029814	FBJ osteosarcoma oncogene
Mm.45354	AK014157	unknown EST (GB|BG070284)
Mm.18700	AK010851	no description
Mm.482	BC021888	Unknown (protein for MGC:11557)
Mm.29571	BC005766	RIKEN cDNA 1200017E04 gene
Mm.27927	AK007802	unnamed protein product; heterogeneous nuclear
Mm.29460	BC008610	adenylate kinase 2
Mm.24108	BC027546	mitochondrial ribosomal protein S21
Mm.81475	AK008859	unnamed protein product; hypothetical protein
Mm.29266	AK013416	unnamed protein product; LIM only 2
Mm.41780	AK003187	guanine nucleotide binding protein (G protein)
Mm.34319	AK004872	unnamed protein product; putative
Mm.29743	BC006603	Similar to hypothetical protein MGC3133
Mm.47914	BC039290	no description
Mm.18688	BC006774	Similar to transmembrane trafficking protein
Mm.1141	AK017863	unnamed protein product; hepatoma-derived growth
Mm.18087	BC003754	lectin, galactose binding, soluble 9
Mm.142822	AK014366	unnamed protein product; Ewing sarcoma homolog
Mm.46631	AK009092	unnamed protein product; hypothetical UbiA
Mm.16660	BC008349	Similar to Protein disulfide isomerase
Mm.22385	AK002966	hypothetical PA-phosphatase related phosphoesterase
Mm.25709	BC016573	inhibitor of growth family, member 1
Mm.182318	AK010596	proteasome (prosome, macropain) 26S subunit
Mm.159864	AK020375	unclassifiable
Mm.28550	AK011415	unknown EST (GB|BG076158)
Mm.1187	BC038340	hydroxysteroid (17-beta) dehydrogenase 11
Mm.196484	BC006912	Similar to cysteine rich protein
Mm.30245	BC003217	Similar to phosphatidylserine decarboxylase
Mm.140838	AK007351	unnamed protein product; putative
Mm.1843	AK004658	unnamed protein product; heat shock protein, 86 kDa
Mm.30149	U45978	Cab45b
Mm.21507	AK007569	coated vesicle membrane protein (MGD|MGI:1929265)
Mm.2338	AY044241	glutamine synthetase
Mm.29153	BC018324	RIKEN cDNA 2610205H19 gene
Mm.24036	BC004080	Similar to KIAA0171 gene product
Mm.6579	AK010718	unnamed protein product; centromere autoantigen A
Mm.28286	BC034875	Similar to RIKEN cDNA 4931406I20 gene
Mm.34497	BC014865	RIKEN cDNA 2510002C21 gene
Mm.46503	BC027739	20381200 not found
Mm.117055	BC020076	RIKEN cDNA 4432412D15 gene
Mm.28650	BC019118	Similar to RABGC, member RAS oncogene family
Mm.831	BC012971	Unknown (protein for IMAGE:4038523)
Mm.29315	BC027391	Unknown (protein for MGC:36924)
Mm.18472	AK012174	protein product; 26S PROTEASE REGULATORY
Mm.21892	AK011324	evidence:NAS
Mm.233874	BC039978	no description
Mm.24868	BC026947	Similar to CGI-147 protein
Mm.214645	BC018457	Similar to hyaluronoglucosaminidase 3
Mm.4079	BC026744	Similar to hypothetical protein FLJ12750
Mm.27330	NM_020618	SWI/SNF related, matrix associated, actin
Mm.131615	AB076078	transcription factor MLR1
Mm.935	AK002496	unnamed protein product; putative
Mm.29452	AK004118	unnamed protein product; SIGNAL RECOGNITION
Mm.29924	BC010196	Unknown (protein for MGC:7110)

B



Unigene ID	Genebank ID	Gene Name
Mm.1583	M18456	lymphocyte differentiation antigen
Mm.4235	M64252	c-kit ligand
Mm.3999	L20315	MPS1 protein
Mm.143755	BC027328	Similar to bone marrow stromal cell antigen 2
Mm.16251	AK008429	unnamed protein product; proteasome
Mm.4560	BC032170	Unknown (protein for IMAGE:5346882)
Mm.30111	BC038025	Unknown (protein for IMAGE:3966957)
Mm.159648	BC027496	RIKEN cDNA 5830413L19 gene
Mm.163	M10416	beta-2 microglobulin mRNA
Mm.1508	BC002055	Similar to benzodiazepine receptor, peripheral
Mm.30071	AK013963	unnamed protein product; lysosomal-associated
Mm.13705	AK019964	unnamed protein product; putative
Mm.24045	AK010906	unnamed protein protein; putative
Mm.14302	D83648	C-C chemokine receptor 5
Mm.29586	AK011545	BRAIN ACID SOLUBLE PROTEIN 1 (BASP1 PROTEIN)
Mm.3189	U83172	cell-surface glycoprotein p91
Mm.10809	BC038070	Similar to Fc receptor, IgG, low affinity IIb
Mm.15571	X59379	no description
Mm.9277	AK005158	unnamed protein product; phospholipase A2 group VII
Mm.2666	M59378	tumor necrosis factor receptor 1
Mm.46356	BC023802	Similar to hypothetical protein FLJ11000
Mm.34126	AF330052	retinoid-inducible serine carboxypeptidase
Mm.235	BC019850	ubiquitin B
Mm.3074	AK007265	unnamed protein product; putative
Mm.88349	AK014282	protein product; SMALL MEMBRANE PROTEIN 1
Mm.45579	AF110803	interleukin-18 binding protein d precursor
Mm.31178	BC037615	Ras-related GTP-binding protein ragA
Mm.30270	BC001982	proteasome (prosome, macropain) subunit, alpha
Mm.22727	AK009435	chloride channel 7 (MGD|MGI:1347048)
Mm.205022	BC030186	Similar to putative zinc finger protein
Mm.57075	BC010476	RIKEN cDNA 1600014C10 gene
Mm.1314	U13371	unknown
Mm.195934	AK007777	unnamed protein product; B cell phosphoinositide
Mm.2970	J03723	carbohydrate binding protein 35
Mm.151104	AK021301	unnamed protein product; PROTEIN HSPC163 homolog
Mm.220949	BC002092	v-maf musculoaponeurotic fibrosarcoma oncogene
Mm.28337	AK014605	HYPOTHETICAL HEART PROTEIN (FRAGMENT)
Mm.1387	NM_017382	RAB11a, member RAS oncogene family
Mm.45161	AK009377	unnamed protein product; putative
Mm.39281	BC031464	RIKEN cDNA 5830498C14 gene
Mm.157842	BC012667	Similar to integrin-associated protein
Mm.29717	BC008129	14-3-3 protein gamma-subtype
Mm.153911	AK009211	unnamed protein product; plastin 2
Mm.22711	BC003290	cyclin I
Mm.1374	Z36233	sialoadhesin
Mm.205010	BC014875	Unknown (protein for MGC:6920)
Mm.29194	AK007070	POTASSIUM CHANNEL MODULATORY FACTOR homolog
Mm.35389	AK005336	unnamed protein product; cytochrome c, somatic
Mm.27300	BC019427	Similar to hydroxysteroid 17-beta dehydrogenase
Mm.196290	BC027371	Similar to RIKEN cDNA 4930434H03 gene

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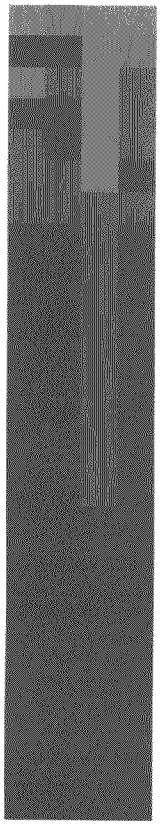
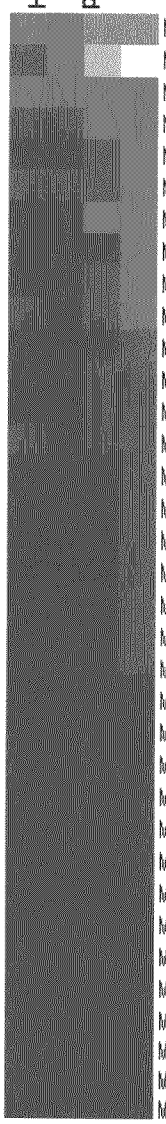
Fig.3

C



Unigene ID	Genebank ID	Gene Name
Mm.13020	NM_009438	ribosomal protein L13a
Mm.15085	BC002065	Unknown (protein for MGC:6156)
Mm.28149	AK013984	unknown EST (GB|AW555045)
Mm.213045	BC023908	Similar to heterogeneous nuclear
Mm.221288	BC028949	Similar to RIKEN cDNA 9030624G23 gene
Mm.1034	BC006606	protein phosphatase 2 (formerly 2A), regulatory
Mm.889	BC003828	Similar to RAS-related C3 botulinum substrate 1
Mm.30864	BC004747	Similar to Kruppel associated box (KRAB) zinc
Mm.196581	BC006708	Similar to mitogen activated protein kinase 1
Mm.22435	BC003961	Similar to RIKEN cDNA 5730410D03 gene
Mm.200518	BC015245	solute carrier family 6 (neurotransmitter)
Mm.22506	BC027314	G7e protein
Mm.20491	AB041553	hypothetical protein
Mm.35837	AK005111	weakly similar to PP1065 [Homo sapiens]
Mm.22670	AK004719	unnamed protein product; putative
Mm.171547	BC026634	Similar to coronin, actin binding protein, 2A
Mm.148782	BC010215	pleckstrin homology domain-containing, family A
Mm.59677	AK017659	unnamed protein product; hypothetical Serine-rich
Mm.14145	X03802	Tcell receptor gamma chain
Mm.22061	BC025800	sema domain, immunoglobulin domain (Ig)
Mm.2389	L17069	All-1 protein
Mm.15479	NM_013543	estradiol 17 beta-dehydrogenase 8
Mm.27094	AK009218	unnamed protein product; NUCLEAR PROTEIN SKIP
Mm.69049	AF155546	hypothetical protein
Mm.21606	AB046114	reticulon 3
Mm.12193	BC003885	Similar to 60S ribosomal protein L30 isolog

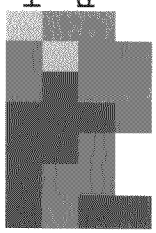
D



Unigene ID	Genebank ID	Gene Name
Mm.29911	AK014294	unnamed protein product; RIBOSOMAL PROTEIN S27l
Mm.41746	BC010967	Similar to RNA polymerase II transcriptional
Mm.13886	BC010791	suppressor of initiator codon mutations
Mm.175612	AF457251	cyclin ania-6a
Mm.321	AF515708	osteopontin
Mm.28349	BC013640	Similar to MIPP65 protein
Mm.196616	AK019465	Y box protein 3 (MGD|MGI:1096351)
Mm.14255	AK021331	amyloid beta (A4) precursor protein-binding, family
Mm.216195	AF486451	from a Homo sapiens melanoma cell line infected
Mm.20183	AK021021	unnamed protein product; hypothetical protein
Mm.205030	BC023898	Similar to eukaryotic translation initiation
Mm.3785	AK012612	unknown EST (GB|AU080327)
Mm.142195	AK008670	unnamed protein product; putative
Mm.204990	BC011285	Unknown (protein for MGC:7004)
Mm.27880	BC026856	CUC triplet repeat,RNA binding protein 2
Mm.196585	BC023505	Similar to SKB1 homolog (S. pombe)
Mm.3380	AK014590	unnamed protein product; KINESIN HEAVY CHAIN
Mm.123648	BC024054	Similar to platelet activating receptor homolog
Mm.3420	L28117	no description
Mm.4143	D78188	scid lung fibroblast cell line established by SV40
Mm.143830	BC013616	alpha actinin 4
Mm.205421	BC022140	Unknown (protein for IMAGE:5101040)
Mm.2438	BC005676	Similar to Cell surface glycoprotein CD44
Mm.10702	AK013924	calcyclin binding protein (MGD|MGI:1270839)
Mm.30177	AK004388	unnamed protein product; hypothetical protein
Mm.63573	AK011125	unnamed protein product; hypothetical Trp-Asp (WD)
Mm.103551	AK016482	unnamed protein product; putative
Mm.27818	BC002233	Unknown (protein for IMAGE:3491494)
Mm.4848	BC032149	Fyn proto-oncogene
Mm.88061	AK013831	unnamed protein product; putative
Mm.154503	AK014474	unnamed protein product; hypothetical Vacuolar
Mm.27194	AK008430	DNA segment, Chr 7, Roswell Park 2 complex
Mm.22358	AK008637	DNA-DIRECTED RNA POLYMERASES III 12.5 KDA
Mm.43750	BC010484	signal peptidase complex (18kD)
Mm.200372	BC019444	coronin, actin binding protein 1C

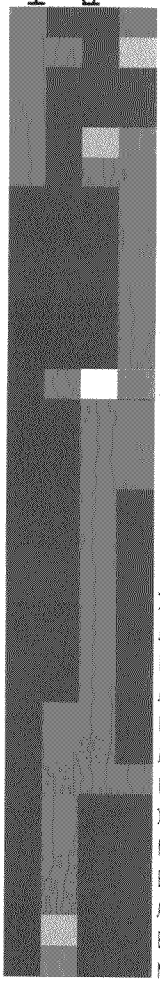
Fig.3

E



Unigene ID	Genebank ID	Gene Name	
BC002055	benzodiazepine receptor	inhibition of NK activity	
Z36233	sialoadhesin	functions as an inhibitory receptor in human NK cells	
BC029900	serine protease inhibitor 6	suppression of exocytosis(perforin and granzyme) from NK cells	
AF143539	decay accelerating factor	inhibition of human NK cytotoxicity	
AF106008	NK cell protein group 2-A1	an inhibitory receptors	
AB033769	NK receptor Ly-49Q	predicted to function as an inhibitory receptor	
AF110803	IL-18 binding protein d precursor	inhibition of NK cells respones	

F



Unigene ID	Genebank ID	Gene Name	
X01023	c-myc protein	activates NK cytotoxicity	
BC005676	CD44	upregulates NK cytotoxic activity	
AF013274	type I interferon receptor	increases NK cytotoxicity	
L24495	CD27	mediates activation of murine NK cells	
BC005708	mitogen activated protein kinase 1	involvement in NK lysis of tumor cells	
AF082803	NK cell receptor 2B4 splice variant	activates NK cell mediated cytotoxicity and induces secretion of IFN-γ	
U12889	Ly49H	activating natural killer receptor	
BC039947	phospholipase A2, group IVB	involment in the cytotoxic functions of rat NK cells	
AJ440756	IL-1 receptor-associated kinase 2	induction of NK cytotoxicity by IL-18	
M60778	lymphocyte fuction-associated molecule-1-α	required for IL-12-induced NK cell cytotoxicity	
NM_007589	calmodulin 2	induction of NK cells activation	
AF054581	IL-2 receptor	NF-kappa B activation in perforin expression of NK cells	
AF515708	osteopontin	upregulated in activatied murine NK cells	
BC025597	Ca^{2+}/calmodulin-dependent protein kinase II γ	induces rerease of perforin and granzyme and secretion of IFN-gamma	
BC031121	protein kinase C, eta	stimulates NK activity	
BC004714	heat shock protein, 70 kDa 2	interacts with NK receptor CD94 and stimulates NK activity	
L29480	serine/threonine kinase	activates NK cytotoxicity	
M27266	p59fyn	required NK cell-mediated lysis of target cells	
BC029727	zeta-chain (TCR) associated protein kinase	Engagement of the NK cell IgG Fc receptor results in tyrosine phosphorylation of the ζ chain.	
X53584	mature HSP60 protein	interferes with CD94/NKG2A inhibitory receptor recognition	
AB062122	protein kinase C theta II	stimulates NK activity	
BC030928	mitogen activated protein kinase kinase kinase 11	activates NK cell function	
AB032200	granzyme K	triggers DNA fragmentation	
BC012653	Similar to chemokine (C-X3-C) receptor 1	Dual functions of fractalkine/CX3C ligand 1 in trafficking of perforin+/granzyme B+ cytotoxic effector lymphocytes	
AF030313	NKG2D	triggers cytotoxicity in mouse NK cells	
U74683	dipeptidyl peptidase I precursor	requirment for the intracellular processing of granzyme A and granzyme B	
X94151	MIP-1 alpha receptor	increases NK cytotoxicity	
M14222	cathepsin B proteinase	protect NK cells from self-destruction after degranulation.	
BC004808	signal transducer and activator of transcription 1	requirements for in NK cell functions	
AF213389	ATP-binding cassette protein	recruitment and activation of NK cells	
BC011092	chemokine (C-C) receptor 1	recruitment of NK cells	
M10416	beta-2 microglobulin mRNA	enhancment of NK cell-mediated lysis via RAE1/NKG2D interactions	